(54) Title: METHOD FOR CONTROLLING AN OPTICAL PICK-UP FOR READING DATA STREAMS FOR SIMULTANE-OUS REPRODUCTION
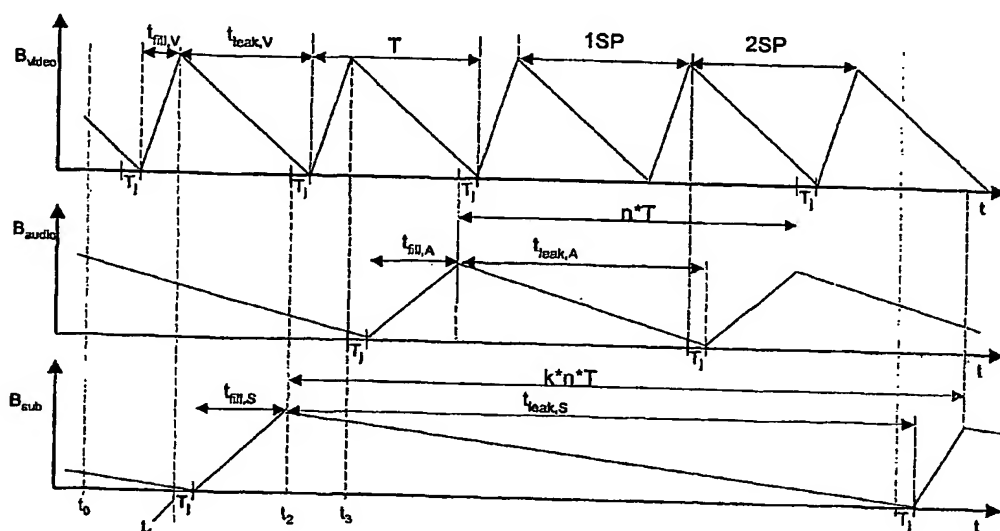
(57) Abstract: Optical discs may support "Out Of Multiplex" formats, meaning that different presentation components, like video, audio and subtitles, are stored on different files on the disc, e.g. Blu-ray discs. The different data streams are read by a single pick-up, requiring frequent pick-up jumps and extensive data buffering. The method for operating a scheduler for an optical pick-up reduces the number of pick-up jumps while optimizing the required buffer space. The scheduler is based on a static schema, meaning that the buffer (B_{video}) for the data stream with the highest data rate is of minimal size, and therefore refilled in short periods (T), while the buffers for the lower rated streams (B_{audio}, B_{sub}) are dimensioned such that they can be refilled in multiples (n.T, n.k.T) of the short period (T). Deviations from the static schema may be allowed, e.g. due to multi-angle video technique. Afterwards the scheduler returns to the original schedule.

GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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